

CMAQ DETAILED PROJECT LISTING REPORT (FY 2005)

STATE	CMAQ PROJECT ID	PROJECT AMOUNT	PROJECT TYPE	PROJECT TITLE	PROJECT DESCRIPTION	VOC (kg/day)	CO (kg/day)	NOx (kg/day)	PM ₁₀ (kg/day)	PM _{2.5} (kg/day)	STATE PROJECT ID	FMIS PROJECT ID	TIP PROJECT ID
Arizona	AZ20050029	\$952,871	Demand Management	MAG: Regionwide	Trip Reduction Program	477	4755	394	348		H671501X	999A042	MAG05-145
Arizona	AZ20050030	\$143,713	Demand Management	MAG: Regionwide	Travel Reduction Program	4	43	4	3		H671501X	999A042	MAG05-124
Arizona	AZ20050026	\$3,969,389	I/M and Other TCMs	MAG: Regionwide	PM-10 Certified Street Sweeper Program				4526		H671601X	999A043	MAG05-130R
Arizona	AZ20050008	\$1,647,600	I/M and Other TCMs	Maricopa County: Various locations	Pave dirt roads				394		SS56401C	MMA0043	MMA04-212S
Arizona	AZ20050006	\$474,208	I/M and Other TCMs	Mesa: Various locations	Pave dirt roads				409		SS56501C	MES0028	MES03-124R
Arizona	AZ20050028	\$3,901	I/M and Other TCMs	MAG: Regionwide	Air Quality Public Involvement	QA	QA	QA	QA		H671501X	999A042	
Arizona	AZ20050022	\$1,372,290	Pedestrian/Bicycle	Scottsdale: Pima Rd. from Via Linda to Inner Circle	Design and construct multi-use path and overpass	1	14	1	1		SS49901C	SCT0012	SCT04-116R
Arizona	AZ20050010	\$943,000	Pedestrian/Bicycle	Tempe: Rio Salado Parkway from Mill Ave. to Priest Dr.	Construct multi-use path	1	4	1	1		SS54001C	TMP0024	TMP02-006
Arizona	AZ20050012	\$714,123	Pedestrian/Bicycle	ADOT: US 60 at 83rd Ave. and Peoria Ave.	Design and construct at-grade pedestrian crossing including pedestrian refuges	1	3	1	1		H590001C	060B001	PEO04-104
Arizona	AZ20050014	\$707,250	Pedestrian/Bicycle	Chandler: Consolidated Canal bank from Ryan Rd. to Riggs Rd. (Phase 3)	Construct multi-use path	1	5	1	1		SS50001C	CHN0018	CHN02-012
Arizona	AZ20050020	\$571,142	Pedestrian/Bicycle	Peoria: New River Trail from Northern Ave. to Peoria Ave.	Construct multi-use path	1	3	1	1		SS51003D	PEO0003	PEO02-005CR
Arizona	AZ20050015	\$311,190	Pedestrian/Bicycle	Gilbert: Western - Powerline Trail from Cooper Rd. to Lindsay Rd.	Design multi-use path and pedestrian amenities	2	19	1	1		SS61003D	GIL0018	GLB09-601D
Arizona	AZ20050023	\$282,900	Pedestrian/Bicycle	Tempe: Mill Ave. from Broadway Rd to Southern Ave.	Widen sidewalks and ramps	1	6	1	1		SS56701C	TMP0025	TMP06-253
Arizona	AZ20050017	\$200,000	Pedestrian/Bicycle	Litchfield Park: Litchfield Rd. and Wigwam Blvd.	Design multi-use underpass	1	6	1	1		SS60703D	LPK0004	LPK05-101D
Arizona	AZ20050025	\$150,000	Pedestrian/Bicycle	MAG/Valley Metro: Regionwide	Bicycle Safety Education Program	33	332	27	24		H671501X	999A042	MAG09-611A
Arizona	AZ20050027	\$2,270	Pedestrian/Bicycle	MAG: Regionwide	Pedestrian Assistance	QA	QA	QA	QA	QA	H671501X	999A042	MAG03-115
Arizona	AZ20050031	\$604,516	Shared Ride	MAG: Regionwide	Regional Rideshare Program	333	3316	275	243		H671501X	999A042	MAG05-128
Arizona	AZ20050032	\$300,000	Shared Ride	MAG/Valley Metro: Regionwide	Telework and Ozone Outreach Program	251	2500	207	183		H671501X	999A042	MAG05-127
Arizona	AZ20050001	\$5,872,000	Traffic Flow Improvements	ADOT: US 60 at Stapley and Val Vista traffic interchanges	Widen structures for dual left turn lanes	1	1	1			H601501C	060C010	DOT04-259AC
Arizona	AZ20050011	\$3,767,694	Traffic Flow Improvements	ADOT: Interstate-17 at Cactus Rd.	Construct dual left turn lanes in both directions	1	4	1	1		H644001C	017A026	DOT04-112R
Arizona	AZ20050005	\$3,740,440	Traffic Flow Improvements	Chandler: Alma School Rd. and Warner Rd. intersection	Widen for dual left turn lanes in all directions and add north and southbound auxiliary lanes	3	9	1	1		SS53401C	CHN0020	CHN00-722R
Arizona	AZ20050024	\$1,270,000	Traffic Flow Improvements	Mesa: Broadway Rd. from Center St. to Recker Rd.	Install SMART corridor traffic control system	6	43	6			SS54301C	MES0025	MES03-121RC
Arizona	AZ20050002	\$775,000	Traffic Flow Improvements	Maricopa County: Bell Rd. from Grand Ave. to Loop 101 (Phase I)	Real-Time Traffic Coordination and Messaging System	7	37	7			SS55501C	MMA0041	MMA04-114
Arizona	AZ20050021	\$750,000	Traffic Flow Improvements	Phoenix: Various locations	Upgrade traffic signal timing equipment	27	115	26			SS59901C	PHX0054	PHX05-501
Arizona	AZ20050004	\$675,997	Traffic Flow Improvements	Avondale: Various locations	Purchase equipment and services for ITS traffic control system	2	10	2			SS59001C	AVN0005	AVN07-301R
Arizona	AZ20050013	\$397,978	Traffic Flow Improvements	Chandler: Arizona Ave. from Elliot Rd. to Chandler Blvd.	Install fibre optic communication system (Phase 2)	2	17	2			SS52701C	CHN0019	CHN03-108R
Arizona	AZ20050019	\$366,695	Traffic Flow Improvements	Mesa: Various locations	Purchase communications equipment install cameras and provide wireless network access	150	630	140			SS59601C	MES0029	MES09-606R
Arizona	AZ20050018	\$278,185	Traffic Flow Improvements	Mesa: Various locations	Purchase and install radio communications system	100	420	93			SS59701C	MES0030	MES05-501
Arizona	AZ20050003	\$196,000	Traffic Flow Improvements	Chandler: 56th St. and Chandler Blvd. intersection	Construct right turns on three approaches	1	1	1			SS53901C	CHN0021	CHN04-217
Arizona	AZ20050007	\$188,600	Traffic Flow Improvements	Maricopa County: Bell Rd. from SR 303 to Grand Ave. (Phase II)	Design Intelligent Transportation Systems improvements	5	26	5			SS59503D	MMA0046	MMA07-301D1
Arizona	AZ20050016	\$181,999	Traffic Flow Improvements	Gilbert: Citywide	Design traffic management center (Phase A) and purchase video wall	64	482	69			SS60801C	GIL0017	GLB06-203A
Arizona	AZ20050009	\$143,000	Traffic Flow Improvements	Peoria: 91st Ave. and Olive Ave.	Design intersection project	1	1	1			SS60303D	PEO0009	PEO06-202D

Table 3 - FY2005 Project Types and Emissions Benefits Calculations

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

Proposal Category	Number of Proposals Funded	Proposals with Emissions Benefits	Percent with Benefits Reported
Demand Management	2	2	100 %
I/M and Other TCMs	4	3	75 %
Pedestrian/Bicycle	10	9	90 %
Shared Ride	2	2	100 %
Traffic Flow Improvements	14	14	100 %
Total	32	30	94 %

FIGURE 1 - CMAQ OBLIGATIONS FOR FY 2005

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

CMAQ Obligations

by Type of Project

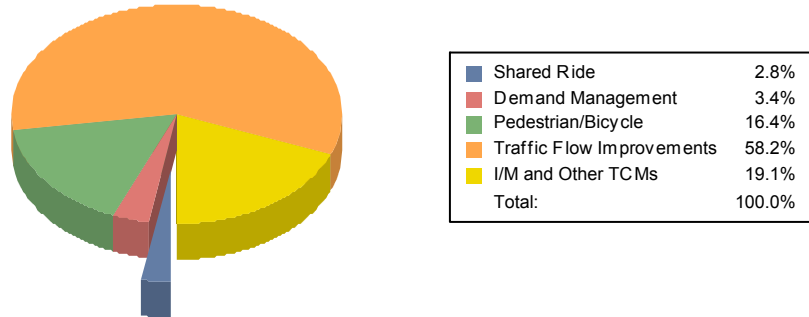


Figure - 2 : Type of Proposals Funded by Category in FY 2005

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

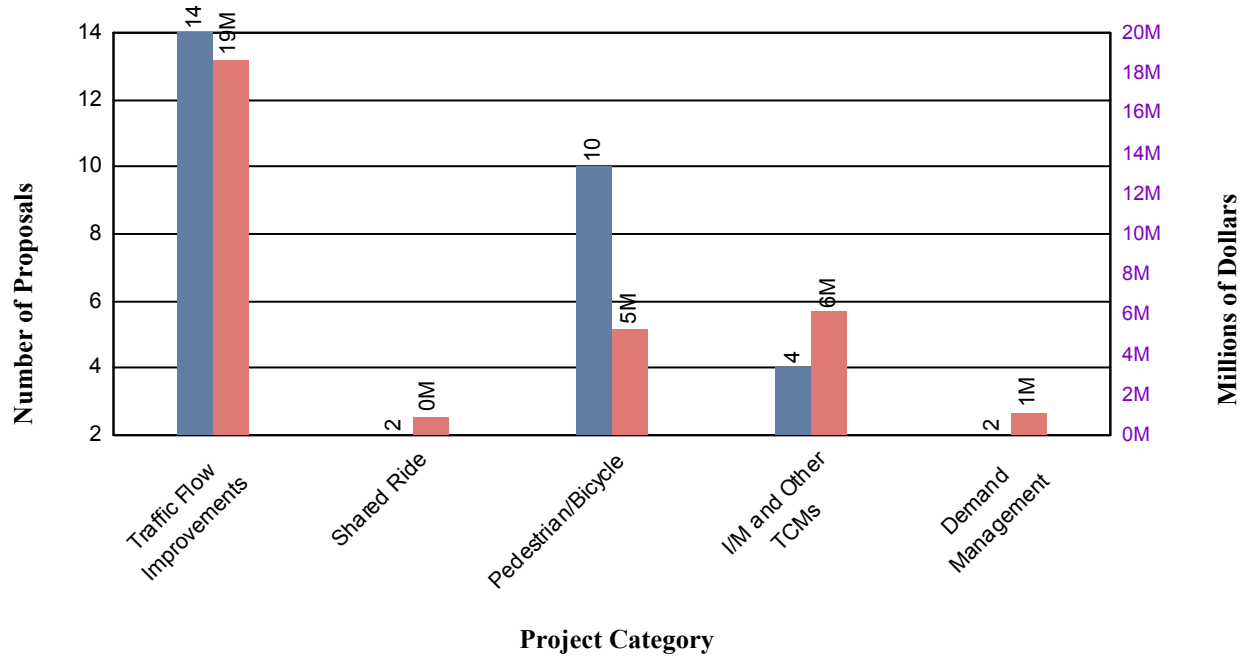


Table 5 - Air Quality Analysis by Project Type (VOC, Kg/Day) For FY 2005
Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

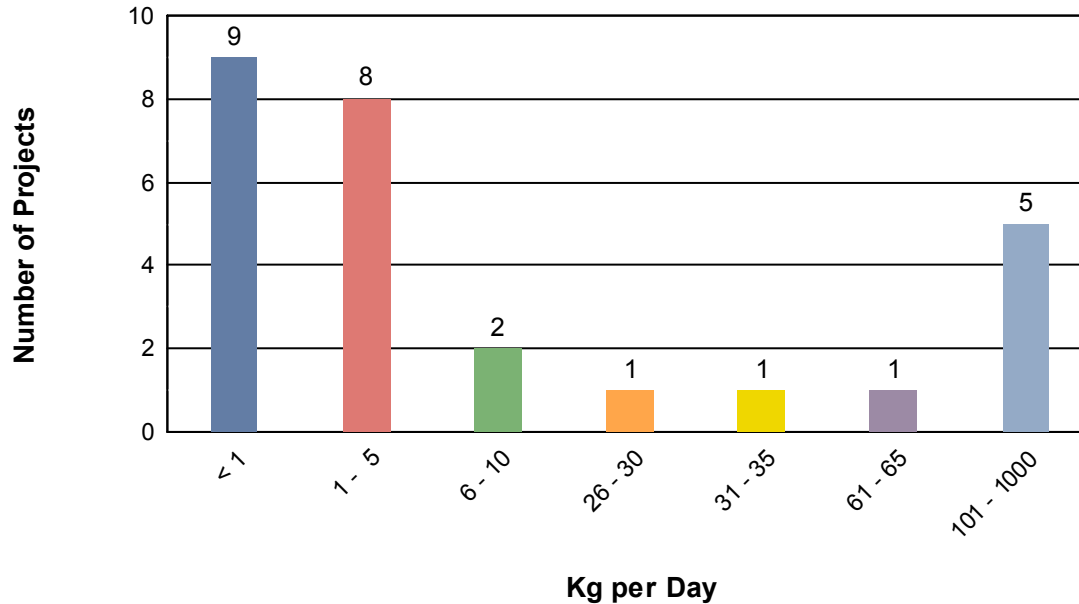
Type of Project	Number ¹	Minimum	Median²	Maximum
Traffic Flow Improvement	14	0	4	150
Shared Ride	2	251	292	333
Pedestrian/Bicycle	9	0	1	33
Demand Management	2	4	241	477
Total	27			

Notes:

- ¹ The number of projects submitted with VOC emissions analysis.
- ² The median, rather than the mean, is a better representation of average effectiveness because the mean is unduly influenced by relatively few projects with large emissions reductions. The median is the point above or below which 50 percent of all observations lie when ranked highest to lowest. Emissions reductions are provided without comment as to their accuracy.

FIGURE 3 - Expected VOC Emission Reductions (FY 2005)

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'



NOTE: Emissions reductions are provided without comment to their accuracy

Table 6 - Air Quality Analysis by Project Type (CO, Kg/Day) For FY 2005
Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

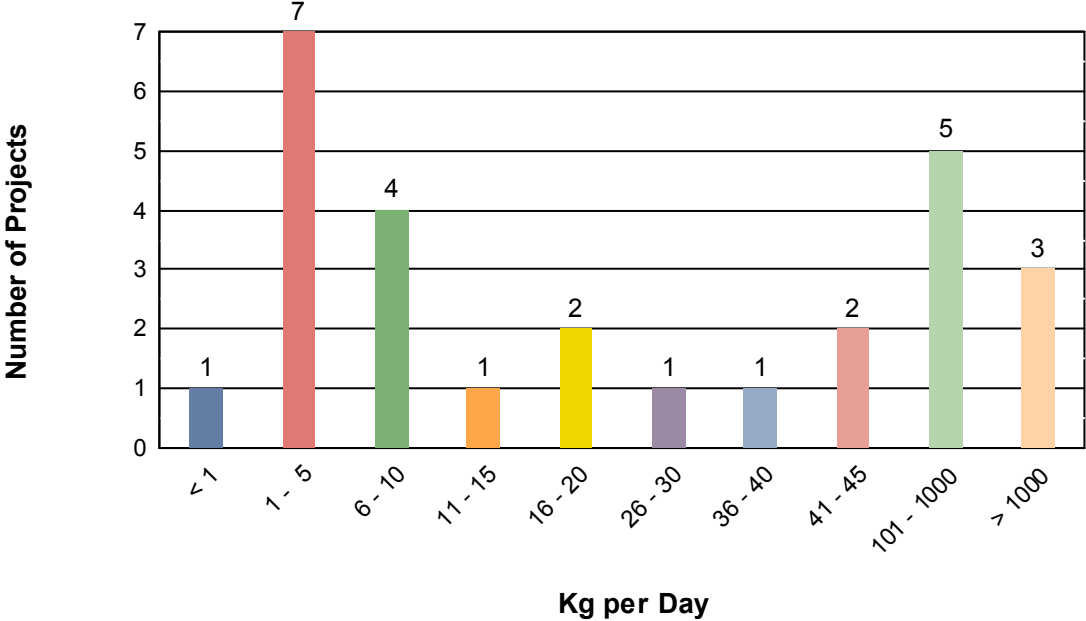
Type of Project	Number ¹	Minimum	Median²	Maximum
Traffic Flow Improvement	14	1	21	630
Shared Ride	2	2,500	2,908	3,316
Pedestrian/Bicycle	9	3	6	332
Demand Management	2	43	2,399	4,755
Total	27			

Notes:

- ¹ The number of projects submitted with CO emissions analysis.
- ² The median, rather than the mean, is a better representation of average effectiveness because the mean is unduly influenced by relatively few projects with large emissions reductions. The median is the point above or below which 50 percent of all observations lie when ranked highest to lowest. Emissions reductions are provided without comment as to their accuracy.

FIGURE 4 - Expected CO Emission Reductions (FY 2005)

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'



NOTE: Emissions reductions are provided without comment to their accuracy

Table 7 - Air Quality Analysis by Project Type (NOx, Kg/Day) For FY 2005
Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

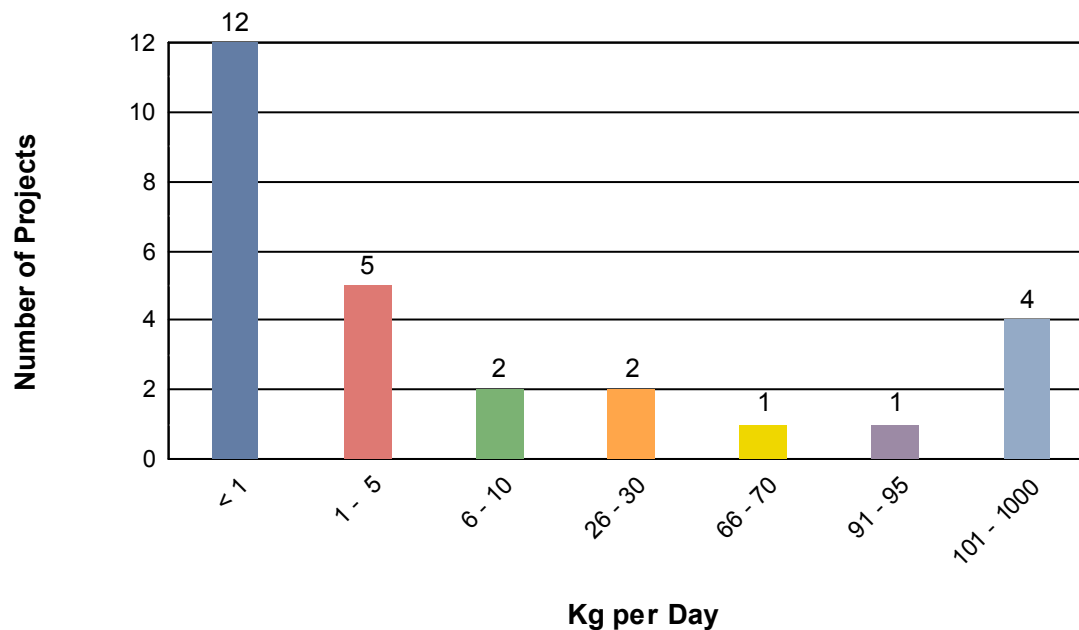
Type of Project	Number ¹	Minimum	Median²	Maximum
Traffic Flow Improvement	14	0	4	140
Shared Ride	2	207	241	275
Pedestrian/Bicycle	9	0	0	27
Demand Management	2	4	199	394
Total	27			

Notes:

- ¹ The number of projects submitted with NOx emissions analysis.
- ² The median, rather than the mean, is a better representation of average effectiveness because the mean is unduly influenced by relatively few projects with large emissions reductions. The median is the point above or below which 50 percent of all observations lie when ranked highest to lowest. Emissions reductions are provided without comment as to their accuracy.

FIGURE 5 - Expected NOx Emission Reductions (FY 2005)

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'



NOTE: Emissions reductions are provided without comment to their accuracy

Table 8 - Air Quality Analysis by Project Type (PM₁₀, Kg/Day) For FY 2005
Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'

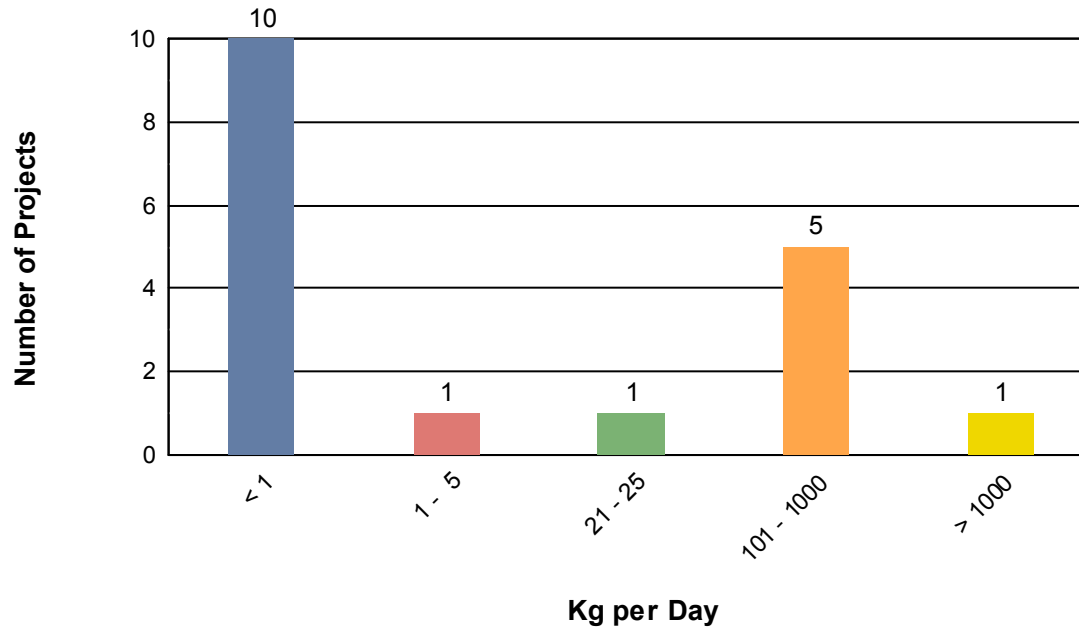
Type of Project	Number ¹	Minimum	Median²	Maximum
Traffic Flow Improvement	2	0	0	0
Shared Ride	2	183	213	243
I/M and Other TCMs	3	394	409	4,526
Pedestrian/Bicycle	9	0	0	24
Demand Management	2	3	176	348
Total	18			

Notes:

- ¹ The number of projects submitted with PM 10 emissions analysis.
- ² The median, rather than the mean, is a better representation of average effectiveness because the mean is unduly influenced by relatively few projects with large emissions reductions. The median is the point above or below which 50 percent of all observations lie when ranked highest to lowest. Emissions reductions are provided without comment as to their accuracy.

FIGURE 6 - Expected PM-10 Emission Reductions (FY 2005)

Fiscal Year = '2005' and Status Selection Criteria = 'All' and State = 'Arizona'



NOTE: Emissions reductions are provided without comment to their accuracy